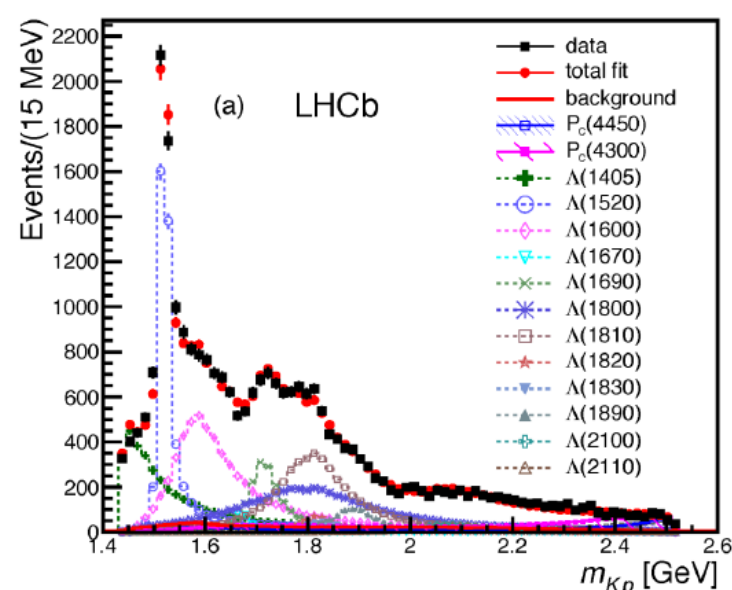


ExtreMe Matter Institute EMMI

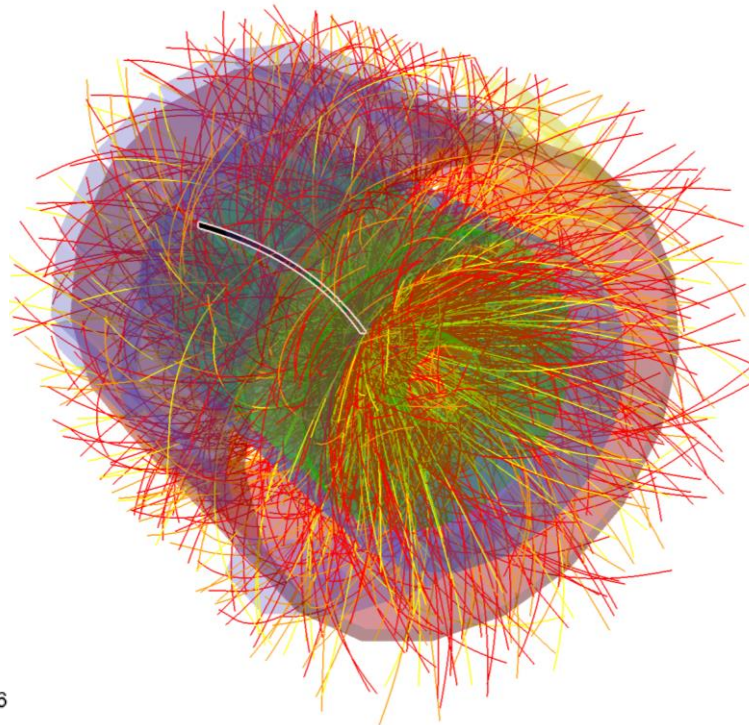
EMMI Workshop

Anti-matter, hyper-matter and exotica production at the LHC

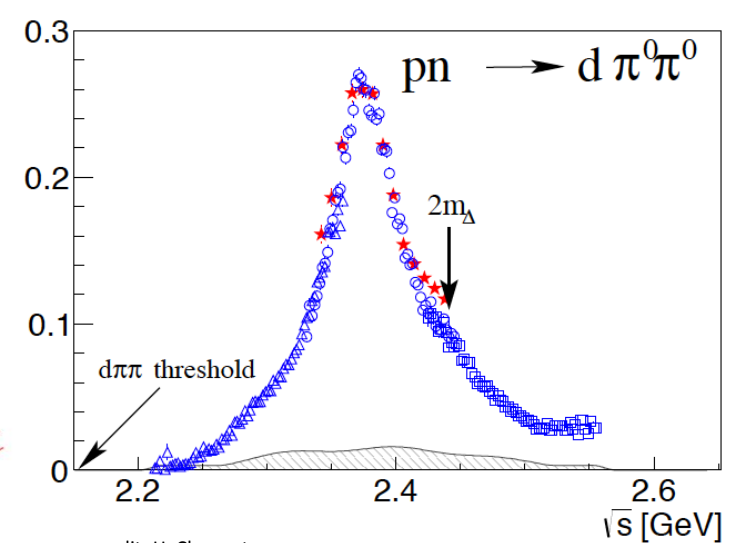
Università degli Studi di Torino, Turin, Italy
November 6 -10, 2017



credit: LHCb Collaboration



credit: ALICE Collaboration



credit: H. Clement

Topics

- Production of anti-matter in high-energy collisions
- Structure of light nuclei and exotic compounds
- Hypernuclear production and decay
- Hyperon-nucleon and hyperon-hyperon interaction
- Searches for exotic states composed of light and heavy quarks
- Coalescence and thermal model predictions for production rates
- Applications in astrophysics, in particular neutron stars
- Future perspectives

Information

www.gsi.de/emmi/workshops

Organizers

Stefania Bufalino (Politecnico and INFN Torino)
Benjamin Dönigus (U Frankfurt)
Jürgen Schaffner-Bielich (U Frankfurt)

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